



PTO/SB/21 (09-04)

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Total Number of Pages in This Submission

33

Application Number	10/821,102
Filing Date	04-08-2004
First Named Inventor	Paul Grobert
Art Unit	2193
Examiner Name	Chaki, Kakali
Attorney Docket Number	PD 03W142

JPC

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Raytheon Company		
Signature			
Printed name	John E. Gunther		
Date	March 21, 2006	Reg. No.	43,649

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	John E. Gunther	Date	March 21, 2006

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Attorney's Docket No. PD-03W142

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Paul Grobert

Date: March 21, 2006

Serial No.: 10/821,102  
Filed: 04-08-2004

Art Unit: 2193  
Examiner: Chaki, Kakali

### INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Dear Sir:

Under his duty of disclosure under Rule 35 U.S.C. Section 1.56 the Applicant respectfully submits an Information Disclosure Statement listing new art cited in the International Search Report for counterpart application PCT/US2005/011708.

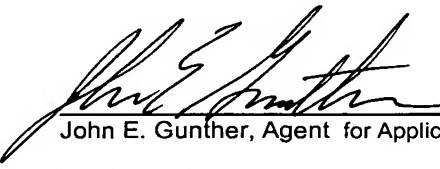
Copies of the cited documents, other than U.S. Patents, are enclosed.

Applicant attests that each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the date of this submission. Therefore, no fee is submitted in accordance with C.F.R. 1.97(c)(1). However, if any fee is required for the processing of this Information Disclosure Statement, Applicant authorizes the charge against assignee's Deposit Account No. 50-0616.

Do not hesitate to contact the undersigned with your questions regarding this information.

Registration No. 43,649

Tel. No.: 310.647.3723  
Fax No.: 310.647.2616

  
John E. Gunther, Agent for Applicants



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/821,102
Filing Date	04-08-2004
First Named Inventor	Paul Grobert
Art Unit	2193
Examiner Name	Chaki, Kakali

Sheet 1 of 2

Attorney Docket Number PD 03W142

U. S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		T <sup>6</sup>
		EP 0 599 553 A	06-01-1994	AT&T	P5 L36 - P6 L55

Examiner Signature		Date Considered	
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	10/821,102
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				Art Unit	2193
				Examiner Name	Chaki, Kakali
Sheet	2	of	2	Attorney Docket Number	PD 03W142

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		HATKE G. F. ED, MATTTHEWS M. B., "Adaptive array processing for wideband nulling in GPS systems," Signals, Systems and Computers, 1998.	
		Conference Record Of The thirty-Second ASILOMAR Conference, IEEE, vol1. 2, 11-01-1998, pp 1332-1336.	
		KEGU YANG ET AL, "Sectorized space-time adaptive processing for CDMA systems," Statistical Signal and Array Processing, 2000.	
		Proceedings of the Tenth IEEE Workshop, IEEE, 08-14-2000, pp 28-32	

Examiner Signature	Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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